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NOTICE OF ALLOWANCE AND FEE(S) DUE

26161

7590

03/11/2003

FISH & RICHARDSON PC 225 FRANKLIN ST BOSTON, MA 02110 EXAMINER

DANG, HUNG XUAN

ART UNIT CLASS-SUBCLASS

2873

345-540000

DATE MAILED: 03/11/2003

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/413.222	10/05/1999	MARK W. MILES	01568-010001	1748

TITLE OF INVENTION: PHOTONIC MEMS AND STRUCTURES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES .	\$650	\$0	\$650	06/11/2003

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>, THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.





PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Box ISSUE FEE

Commissioner for Patents Washington, D.C. 20231 (703)746-4000

appropriate. All further coindicated unless corrected maintenance fee notification	rrespondence including th below or directed otherwi ns.	e Patent, advance orders se in Block 1, by (a) spo	EE and PUBLIC and notification ecifying a new co	of maintenance fe orrespondence add	required). Blocks I through 4 tes will be mailed to the curren ress; and/or (b) indicating a sep	t correspondence address as parate "FEE ADDRESS" for
26161 7: FISH & RICHAI	Block 1)	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.				
225 FRANKLIN S BOSTON, MA 02		Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited United States Postal Service with sufficient postage for first class m envelope addressed to the Box Issue Fee address above, or being fi transmitted to the USPTO, on the date indicated below.				
						(Depositor's name)
						(Signature)
			·			(Date)
APPLICATION NO.	FILING DATE	FIRS	T NAMED INVEN	TOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/413,222	10/05/1999		MARK W. MILE		01568-010001	1748
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nonprovisional	YES	\$650		\$0	\$650	06/11/2003
EVAMB	NED	ADTIBUT		150		
DANG, HUN		ART UNIT	345-54000			
1. Change of corresponder CFR 1.363). Change of correspond Address form PTO/SB/1: "Fee Address" indicati PTO/SB/47; Rev 03-02 Number is required.	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.					
3. ASSIGNEE NAME AND PLEASE NOTE: Unless a been previously submitted (A) NAME OF ASSIGNE Please check the appropriate	in assignee is identified be to the USPTO or is being E	low, no assignee data wi submitted under separate (B) RE	ill appear on the percent of the cover. Completic SIDENCE: (CITY	patent. Inclusion on of this form is N	f assignee data is only appropria in a substitute for filing an assi COUNTRY)	gnment.
4a. The following fee(s) are		· · · · · · · · · · · · · · · · · · ·	ment of Fee(s):	G marviduar	Corporation of other private g	group entity G government
☐ Issue Fee	()	of the fee(s) is en	closed.			
			nent by credit car	d. Form PTO-2038	is attached.	
Advance Order - # of Copies			Commissioner is t Account Number	hereby authorized	by charge the required fee(s), or(enclose an extra copy of this	credit any overpayment, to
Commissioner for Patents is	requested to apply the Iss				usly paid issue fee to the applicat	
(Authorized Signature)		(Date)				
NOTE; The Issue Fee and other than the applicant; interest as shown by the re	d Publication Fee (if requare registered attorney or a cords of the United States	ired) will not be accept agent; or the assignee of Patent and Trademark Of	ed from anyone r other party in ffice.			
This collection of informa	ation is required by 27 CI	P 1 211 The information	n is required to	l		

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231 www.uspto.gov

APPLICATION NO	ON NO. FILING DATE FIRST		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/413,222 10/05/199		10/05/1999	MARK W. MILES	01568-010001	1748	
26161	7590	03/11/2003		EXAMINER		
FISH & RICHARDSON PC		DANG, HUNG XUAN				
225 FRANKI BOSTON, M.				ART UNIT	PAPER NUMBER	
UNITED STATES				2873		
			DATE MAILED: 03/11/2003			

Determination of Patent Term Extension under 35 U.S.C. 154 (b) (application filed after June 7, 1995 but prior to May 29, 2000)

The patent term extension is 0 days. Any patent to issue from the above identified application will include an indication of the 0 day extension on the front page.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (http://pair.uspto.gov)

Any questions regarding the patent term extension or adjustment determination should be directed to the Office of Patent Legal Administration at (703)305-1383.



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26161	7590	03/11/2003	[EXAMIN	ER
FISH & RICHARDSON PC			DANG, HUNG XUAN		
225 FRANKL BOSTON, MA]	ART UNIT	PAPER NUMBER
UNITED STA	TES			2873	
			DATE MAILED: 03/11/2003		

Notice of Fee Increase on January 1, 2003

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after January 1, 2003, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there will be an increase in fees effective on January 1, 2003. See Revision of Patent and Trademark Fees for Fiscal Year 2003; Final Rule, 67 Fed. Reg. 70847, 70849 (November 27, 2002).

The current fee schedule is accessible from: http://www.uspto.gov/main/howtofees.htm.

If the issue fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due," but not the correct amount in view of the fee increase, a "Notice to Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice to Pay Balance of Issue Fee," if the response to the Notice of Allowance and Fee(s) due form is to be filed on or after January 1, 2003 (or mailed with a certificate of mailing on or after January 1, 2003), the issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eighth Edition, August 2001).

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

M

Notice of Allowability

Application No. 09/413,222

Applicant(s)

Examiner

Hung X. Dang

Art Unit

2873

Miles



--The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. X This communication is responsive to 1/24/03 2. X The allowed claim(s) is/are 5, 6, 52, 53, and 55-61 3. The drawings filed on are accepted by the Examiner. 4. Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d). b) Some* a) 🗌 All c) None of the: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). *Certified copies not received: 5. Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application). (a)

The translation of the foreign language provisional application has been received. 6. Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 7. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 8. X CORRECTED DRAWINGS must be submitted. (a) X including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) \square hereto or 2) \boxtimes to Paper No. 10 . (b) including changes required by the proposed drawing correction filed , which has been approved by the examiner. (c) including changes required by the attached Examiner's Amendment/Comment or in the Office action of Paper No. Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the top margin (not the back) of each sheet. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson. 9. U DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1 Notice of References Cited (PTO-892) 2 Notice of Informal Patent Application (PTO-152) 4 Interview Summary (PTO-413), Paper No. 3 Notice of Draftsperson's Patent Drawing Review (PTO-948) 5 Information Disclosure Statement(s) (PTO-1449), Paper No(s). 18, 27 6 Examiner's Amendment/Comment 7 Examiner's Comment Regarding Requirement for Deposit of Biological 8 X Examiner's Statement of Reasons for Allowance Material 9 Other

Serial Number: 09/413,222 Page 2

Art Unit: 2873

Reasons For Allowance

1. The following is an Examiner's Statement of Reasons for Allowance:

the prior art taken either singly or in combination fails to anticipate or fairly suggest that which the Applicant claims in claim 5 in a manner which would warrant a rejection under 35 U.S.C. § 102 or 35 U.S.C. § 103.

There was no prior art found by the examiner that suggested modification or combination with the cited prior art so as to satisfy the combination of the present independent claim 5; especially, the prior art does not provide release of the device occurring when the difference between the values of the data voltage and the select voltage is below a second predetermined level lowest, and the device maintaining its state when the select voltage is at the bias level as recited by claim 5.

Any comments considered necessary by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably accompany the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication should be directed to Examiner Dang at telephone number (703) 308-0550.

Hung Xuan Dang Primary Examiner

3/03